

# Major Capital Improvements

*Schedule & Commitments through 2015*



2809 Highwoods Blvd., Suite 100 | Raleigh, NC 27604 919.954.7601 | [www.ncrr.com](http://www.ncrr.com)

*Building A Better Railroad*

Summary	Benefit	Total Cost
		NCRRC Investment
<b>Wake County: Double Track Morrisville to Cary – 5.9 Miles</b> Add a second main track from McCrimmon Road to Fetner. Connect to NCDOT's Clegg siding creating double track from Raleigh to I-40 in Durham County.	Improve Capacity	\$19,000,000
<b>Mecklenburg/Cabarrus Counties: Double Track North Charlotte to Concord Segment - 12.1 Miles</b> Add a second track and signals to reduce delays associated with meeting and passing trains (Haydock-Junker). <i>ARRA Funded</i>	Improve Capacity (Main Line)	\$95,116,212 \$13,000,000
<b>Davidson County: Double Track Thomasville to Lexington Segment - 4.2 Miles</b> Extend second track and signals to reduce delays associated with meeting and passing trains (Bowers - Lake). <i>ARRA Funded</i>	Improve Capacity (Main Line)	\$47,545,437 \$4,000,000
<b>Cabarrus/Rowan Counties: Double Track Kannapolis to Salisbury Segment - 10 Miles</b> Extend second track and signals to reduce delays associated with meeting and passing trains (N. Kannapolis to Reid). <i>ARRA Funded</i>	Improve Capacity (Main Line)	\$92,593,479 \$10,000,000
<b>Lenoir County: Rebuild Bridges at Mileposts EC-27.8 and EC-27.9</b> Rebuild wooden bridge trestles over the Neuse River near Kinston. <i>50/50 with Norfolk Southern</i>	Improve Safety & Speed	\$8,000,000 \$4,000,000
<b>Craven County: Trent River Bridge –New Bern</b> Improve corroding steel pipe piles on the bridge over the Trent River in New Bern by encasing them in concrete. <i>50/50 with Norfolk Southern</i>	Improve Safety	\$3,000,000 \$1,500,000
<b>Rowan/Davidson Counties: Rail Work at I-85 Bridge over Yadkin River</b> Improve railroad alignment and provide room for future additional track construction near Yadkin River in Rowan and Davidson counties. <i>NCDOT partnership</i>	Improve Safety & Speed	\$4,444,659 \$3,000,000
<b>Eastern Grade Crossing Improvements (Johnston/Wayne/Lenoir/Craven/Carteret Counties)</b> Improve grade crossing protection on unsignaled or partially signalized grade crossings between CSX Junction in Selma and Morehead City (115 miles). <i>NCDOT/NS/NCRR partnership</i>	Improve Safety and Speed	\$7,641,750 \$2,227,200
<b>Mecklenburg County: Grade Separation at Sugar Creek Road in Charlotte</b> Eliminate a very busy and dangerous at-grade railroad crossing with grade separation (overhead bridge) of the main freight & passenger line at Sugar Creek Rd. <i>NCDOT/Fed. Funding</i>	Improve Safety and Speed	\$34,000,000 \$10,000,000
<b>Craven County: New Bern Siding</b> Construct a siding and associated support tracks and facilities near New Bern and curvature along the existing connection between NCRR EC line and the NS Chocowinity line. <i>Norfolk Southern partnership</i>	Improve Storage Track Capacity	TBD \$8,000,000
<b>Wayne County: Passing Siding near Goldsboro</b> Add a passing siding and increase capacity on the eastern part of the NCRR. There are currently no passing sidings between Selma and Morehead City (114 miles). <i>Norfolk Southern partnership</i>	Improve Capacity	\$4,060,000 \$3,500,000
<b>Wake County: Walker Street Bridge – Cary</b> The Town of Cary is considering extending Walker Street under the NCRR. Their plans call for a temporary rail bridge structure as part of construction. NCRR's contribution to this project would allow the temporary bridge to remain as a permanent structure for a second main line. <i>Town of Cary partnership</i>	Improve Safety & Speed	TBD \$1,000,000
<b>Durham County: Reconstruct/Improve Grade Separations – Durham</b> Bridge and crossing improvements for downtown Durham to improve roadway and pedestrian crossing safety. <i>Subject to other funds</i>	Improve Safety & Speed	\$8,000,000 \$750,000
<b>Construct Three Pedestrian Underpasses between Raleigh and Charlotte (Alamance and Guilford Counties)</b> This project will construct pedestrian underpasses in three selected pilot locations in connection with grade crossing closures or high volume pedestrian locations. The project with Elon University was completed in 2010. The underpass cost \$2.5 million (NCRR - \$1 million; Elon University - \$1.5 million). <i>Prop. 50-50 Match w/local or other funds</i>	Improve Safety	\$6,000,000 \$3,000,000
<b>Survey/Monumentation Project</b> This project will establish permanent rail corridor monumentation for corridor management & engineering/planning purposes. It will incorporate geodetic monuments in a statewide survey grid.	Corridor Management	\$2,000,000

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<b>Wake/Johnston Counties: Upgrade track condition between Raleigh and Selma</b> Upgraded the track class between Selma and Raleigh to increase passenger speed to 59 mph for approximately 30 miles. It also upgraded crossing circuits. Completed in 2002 <i>NCDOT partnership</i>	Improve Efficiency & Speed for Passenger Trains	\$2,590,000
<b>Durham County: Extend Siding in West Durham (Funston)</b> Extended a passing siding and straightened a curve west of Durham for approximately a 1-mile segment. Completed in 2003 <i>NCDOT partnership</i>	Improve Efficiency & Speed for Passenger Trains	\$2,300,000
		\$75,000
<b>Lenoir County: Repair/Replace Neuse River Bridge in Kinston and Improve Rail</b> Increased the load of bridge to permit 286,000 lb. standard railcars as on other segments of NCRR and allow for increased port traffic. The project also replaced jointed rail with continuous welded rail for a 14-mile segment in Kinston. Completed in 2004	Improve Efficiency & Speed	\$6,750,000
<b>Lenoir County: Replace Jointed Rail</b> Replaced jointed rail with continuous welded rail for a 17-mile segment near Kinston. Completed in 2005	Improve Efficiency & Speed	\$3,875,000
<b>Durham County: Replace NC 54 Railroad Bridge in Research Triangle Park</b> Replaced an existing single track railroad bridge in RTP with a double track bridge. It also improved traffic flow and eliminated substandard clearance for the vehicular traffic below. Completed in 2006	Improve Rail Capacity & Ease Vehicle Congestion	\$5,500,000
<b>Durham County: Hopson Road Grade Separation &amp; Realignment</b> Acquired acreage for future straightening of a curve in Durham County (RTP) for adding a passing siding and improving curvature to allow higher speeds for freight and passenger trains. NCRR completed land acquisition in 2006. NCDOT received ARRA funds to add a grade separation at Hopson Road and to realign the curve, thereby eliminating a crossing hazard and improving speed by flattening a curve.	Improve Capacity & Speed	\$13,898,994
		\$2,000,000 (land acquisition)
<b>Craven County: Replace Bridge Trestle at Batchelder Creek</b> Replaced a single track wooden trestle over Batchelder Creek in Craven County. Completed in 2006	Improve Capacity & Safety	\$372,000
<b>Wake/Johnston Counties: Replace Restricted Bridge in Clayton</b> Replaced a bridge structure on the main line to eliminate speed restrictions and improve clearance on Old Hwy 70 in Clayton. Completed in 2008	Improve Safety & Speed	\$889,600
<b>Wake/Johnston/Wayne Counties: Construct Three Segments of Passing Tracks and CTC &amp; Communications</b> This work improved capacity by adding three passing tracks totaling approximately 8 miles between Raleigh and Goldsboro to improve passenger and freight train performance and service. It added Centralized Traffic Control for 31 miles to raise to the same standard as Raleigh to Charlotte. The project also included the installation of the Cabarrus Street Interlocking and revised the track layout to increase speed to and from the yard in Raleigh. The project also improved the Boylan Storage Track. Completed in 2008	Improve Capacity, Speed & Efficiency	\$20,880,000
<b>Repair/Renovate - Neuse River Bridge in Johnston County &amp; Hwy 87 Bridge in Alamance County</b> Bridge repair/renovation to eliminate had clearance and elevation restrictions. Completed in 2008	Improve Clearance/Loading	\$78,236
<b>Wayne/Lenoir/Craven/Carteret Counties: Continuous Welded Rail Installation and Drainage Improvement</b> Upgraded 90 lb. rail (originally dated to 1924) with higher grade continuous welded rail. Completed in 2007. Also improved drainage in Dover and constructed a retaining wall to support the track and welded rail. This portion of the project was completed in 2009.	Improve Reliability Safety & Drainage	\$4,836,000
<b>Guilford County: Double Track High Point/Greensboro Segment - 9 Miles</b> Added a second track to reduce delays associated with meeting and passing trains. DOT studies identified this portion of railroad as one of the most congested. (Cox-Hoskins) Completed in 2009 <i>NCDOT/NS/NCRR partnership</i>	Improve Capacity and Efficiency	\$20,975,360
		\$4,000,000
<b>Lenoir County: Straighten Curve in Kinston</b> Straightened a curve in the railroad in downtown Kinston improving train speeds from 10 mph to 25 mph and improving clearances. Completed in 2010	Improve Safety and Speed	\$3,300,000
<b>Craven/Carteret Counties: Field Welding</b> Welded joints in the rail between New Bern and Morehead City. The rail is 100 lb. continuous welded rail, but has many joints as a result of breakage and detected defects.	Improve Safety and Speed	\$338,175
<b>Lenoir/Craven Counties: Replace Bridges in Eastern North Carolina</b> This project will replace trestles over creeks in Lenoir and Craven counties to address settling piers and weight requirements. Completed in 2011	Improve Speed and Safety	\$3,300,000

To view an interactive map depicting the NCRR Capital Projects, please visit [www.ncrr.com](http://www.ncrr.com)